Coll.
387
C (2)

Central America
Expedition

1853

Field Book

ACADEMY
NAT. SCI.
PHILA.
ms, 387
C (2)

# Field Book

in

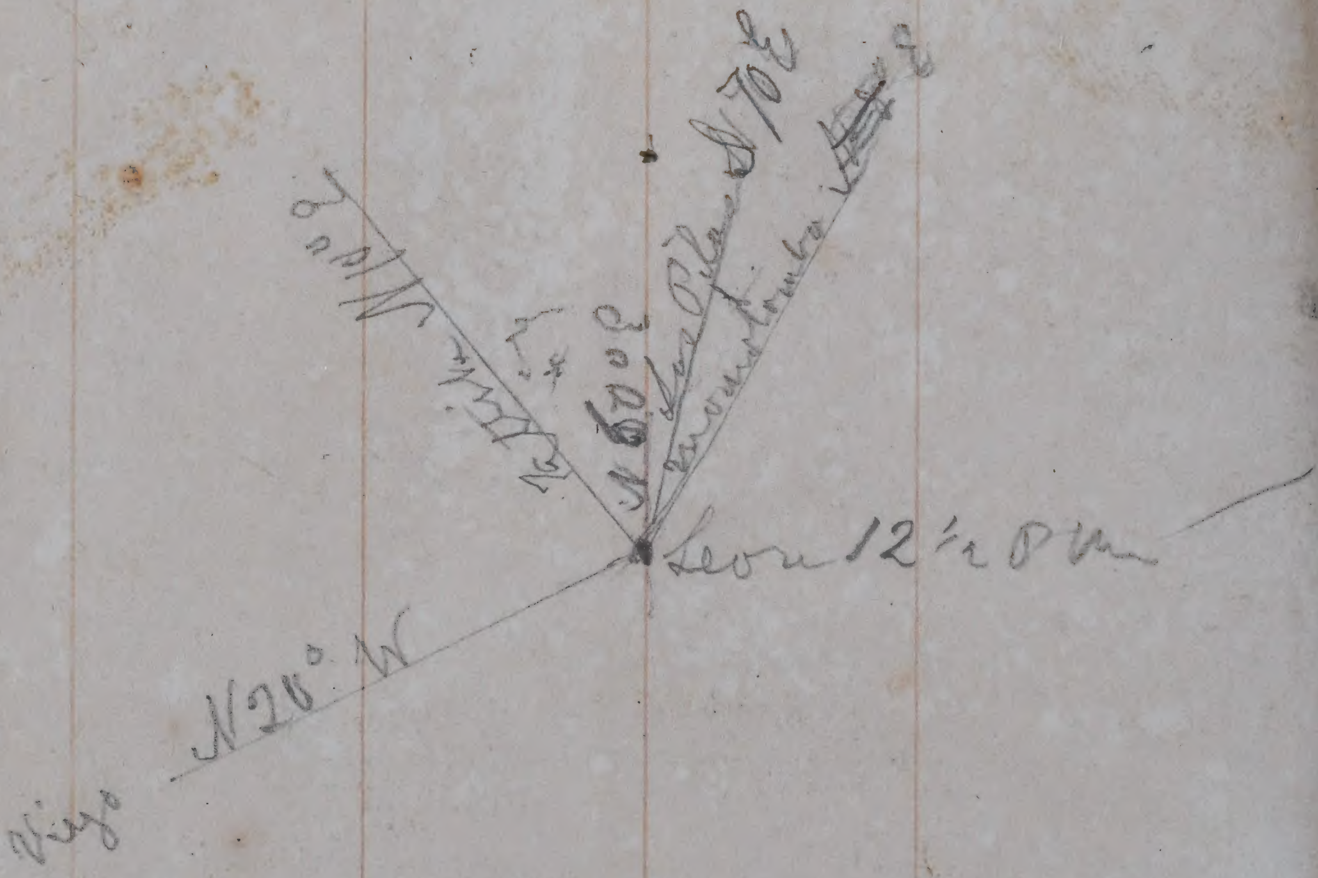
# Honduras & Nicaragua

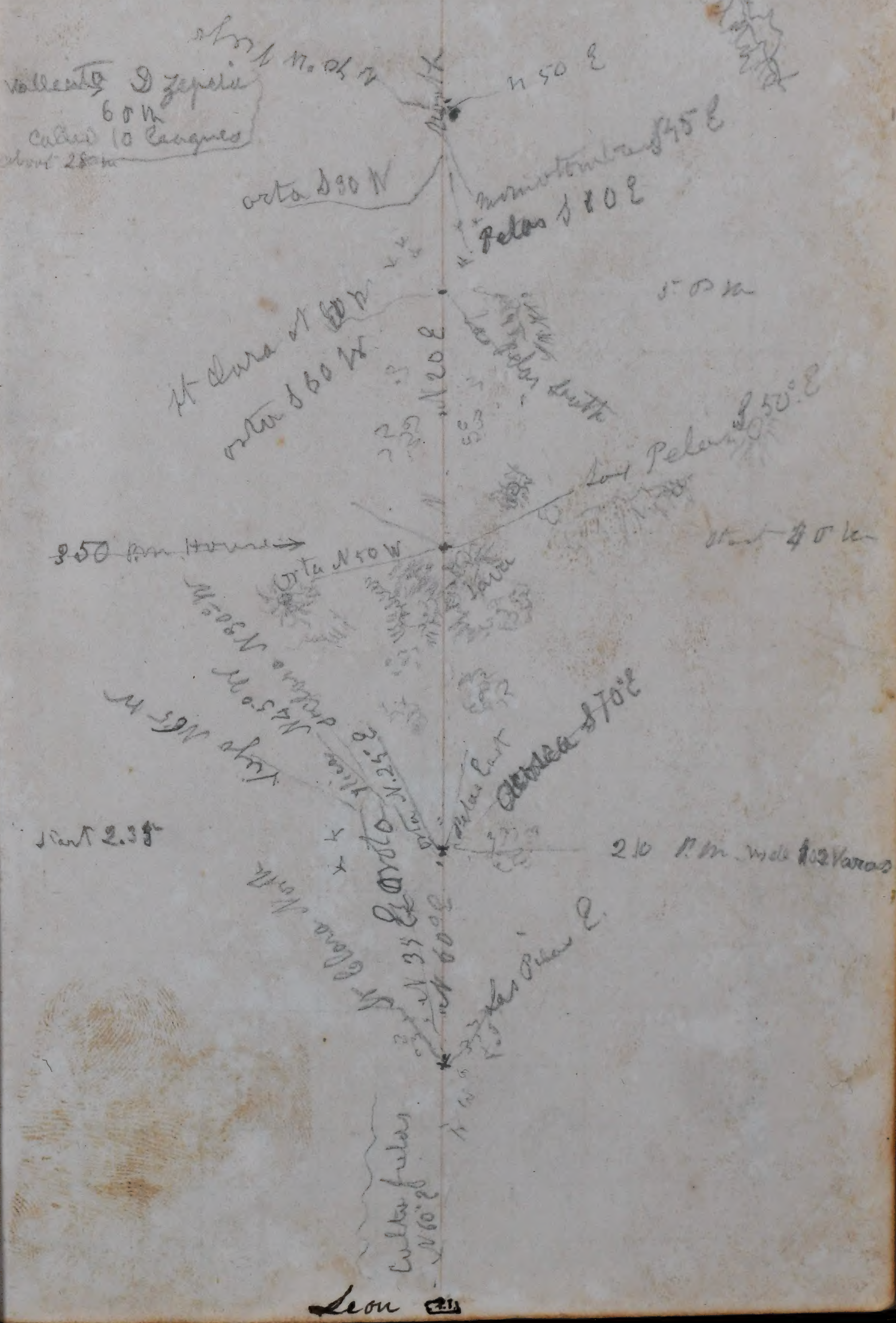
by S. W. Woodhouse M.D.

4

1853

17
23
51
34
391


N 70 E
Leon 12½ PM
N 20° W


N 50 E
orta S 30 W
Pelas S 10 E
orta S 60 W
N 20 E
S 50 E
350 pm House
orta N 50 W
S 70 E
Start 2.35
210 P.M.
N 25 E
N 60 E
Leon

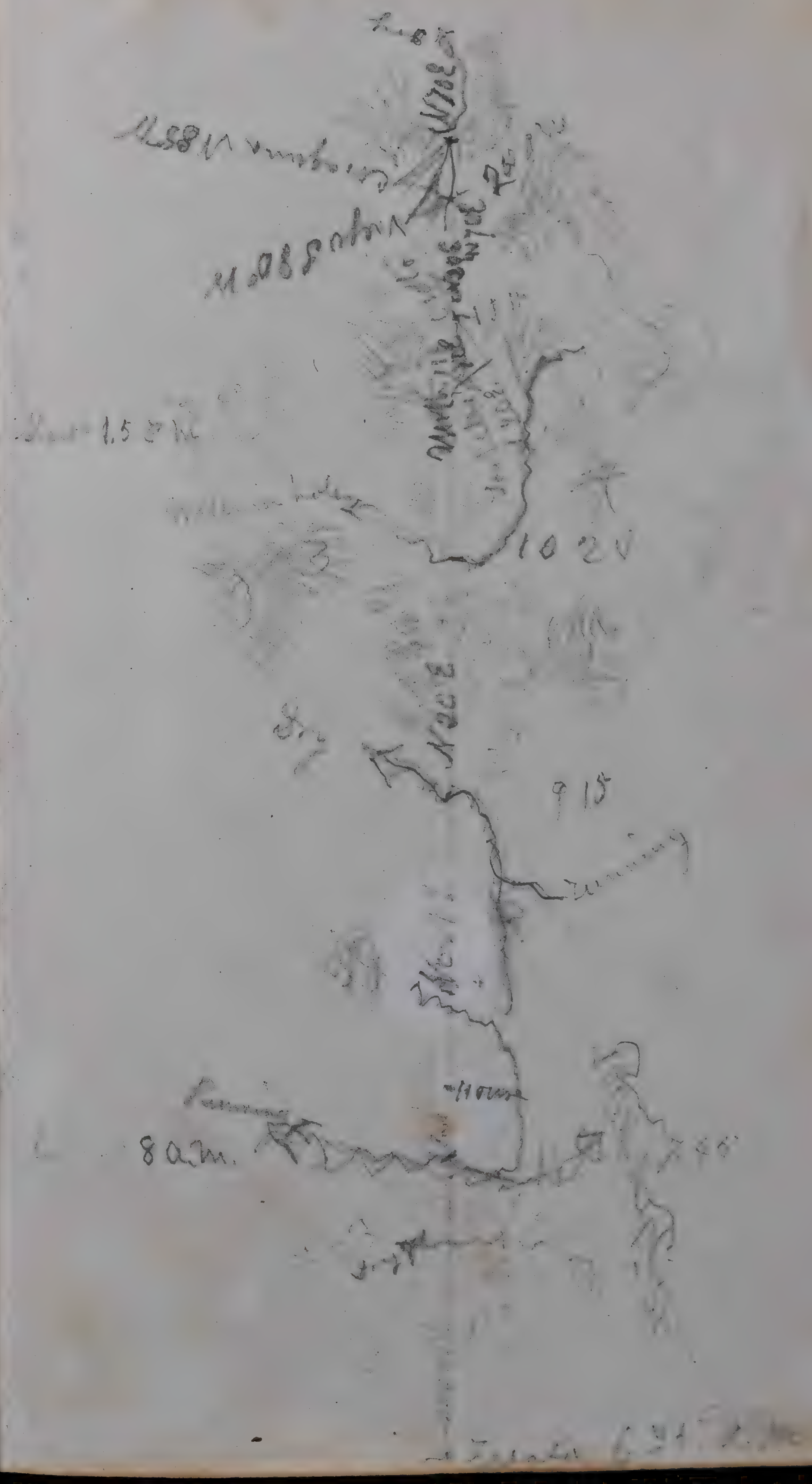
Ceizijlla silver mine

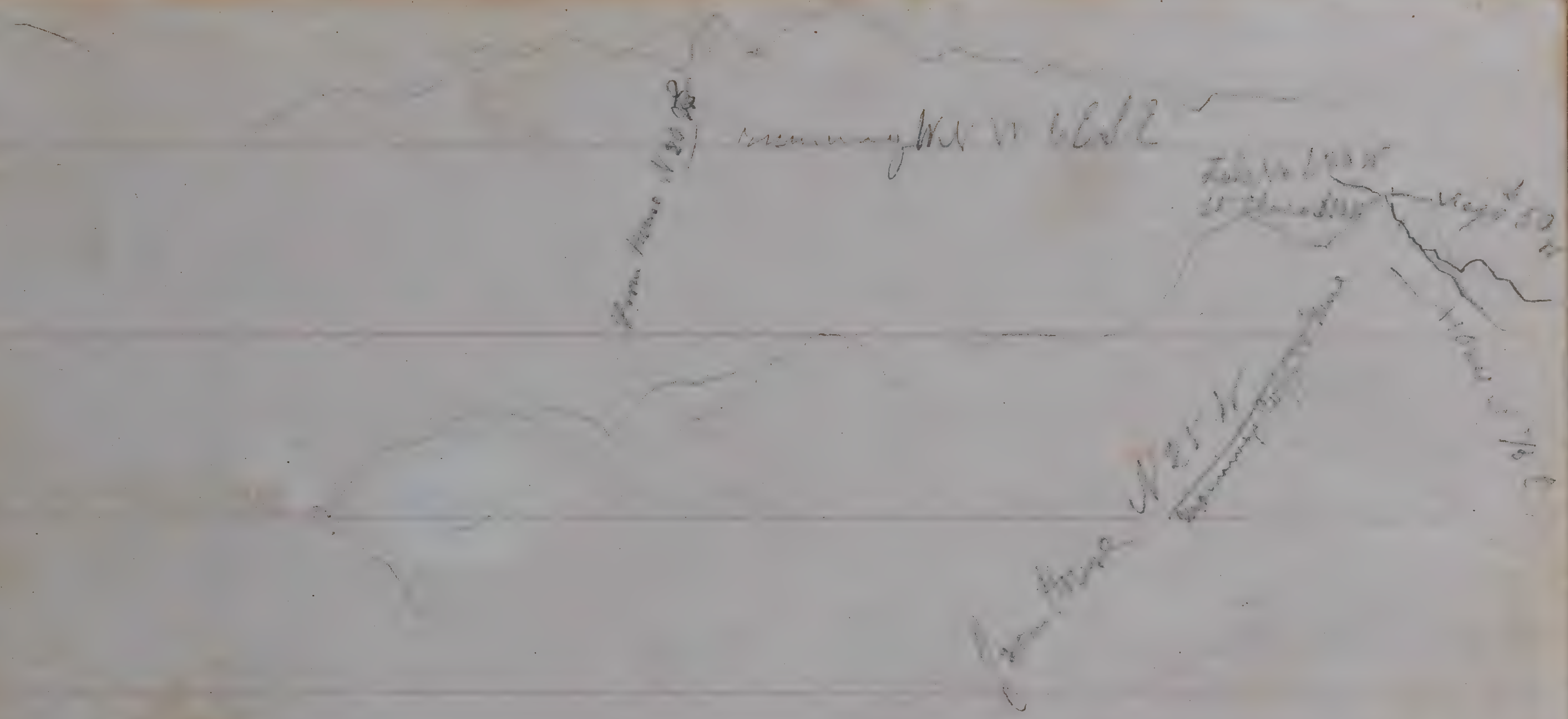
ackopa

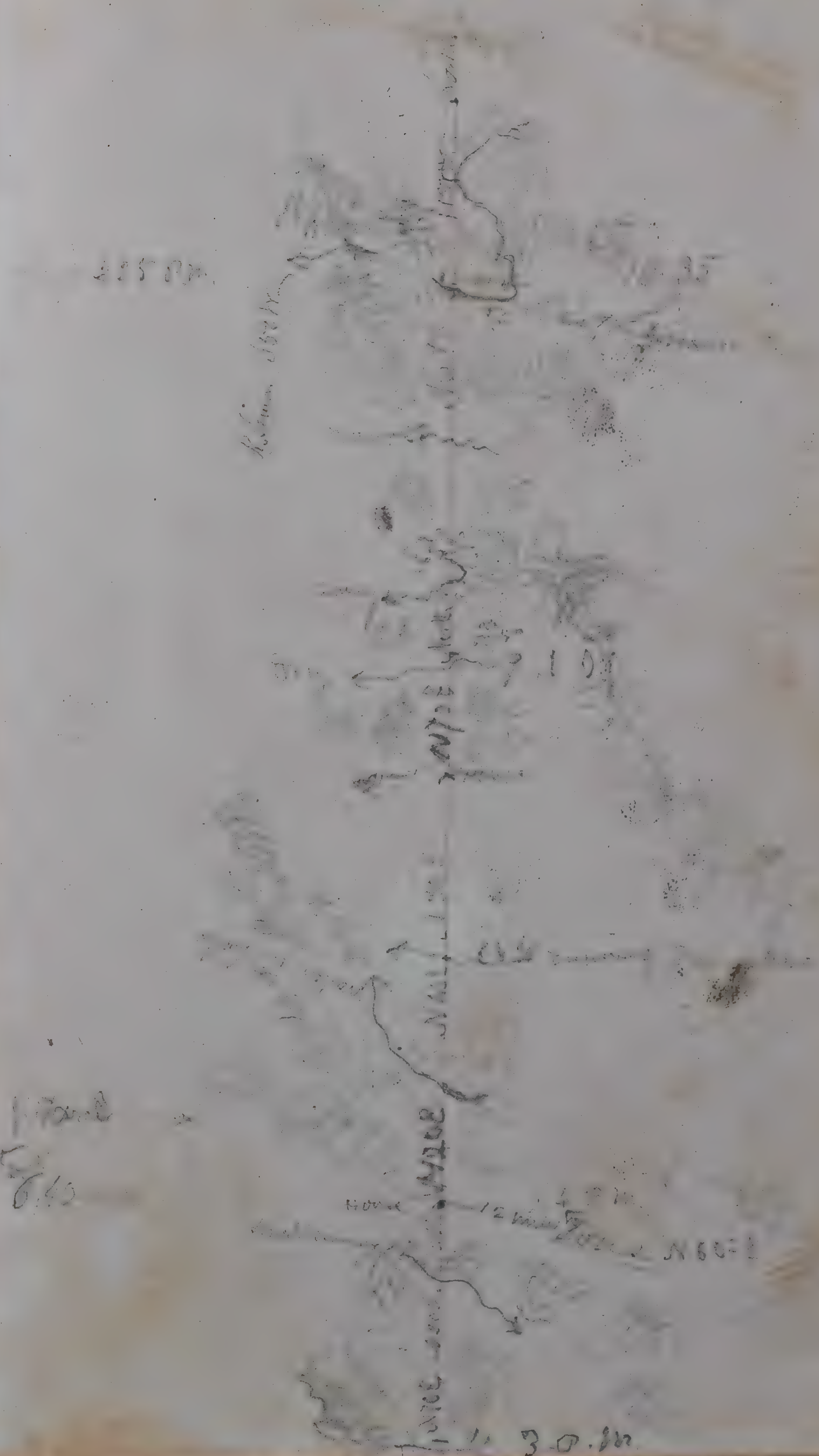
Timbered hills

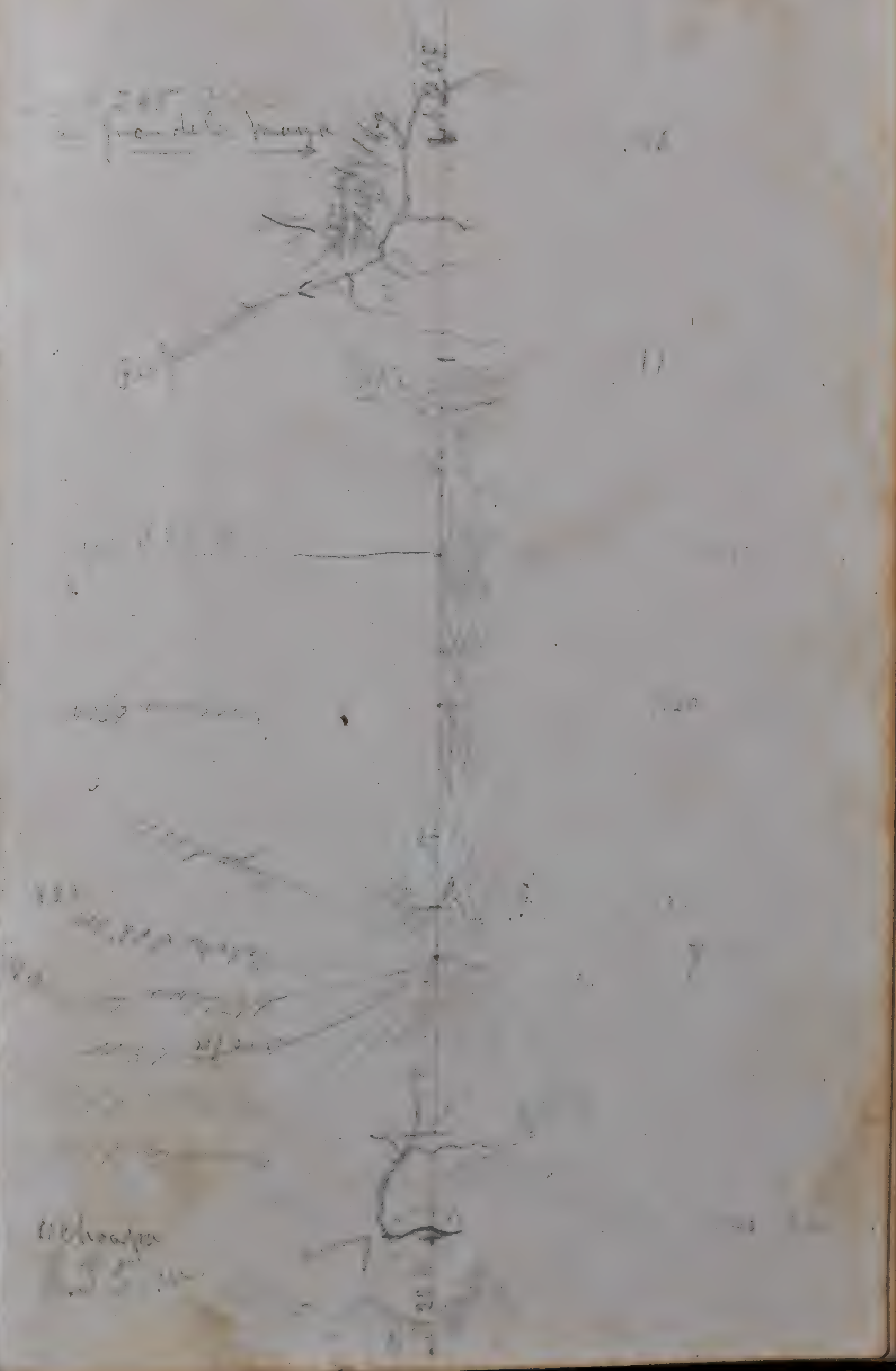
Dry Swampy & covered with Calabash trees

Rocky & Timbred hills


9 15
House
8 a.m.







[illegible] 4 10 2 | [illegible] Top of Mountain [illegible]

[illegible] 2 2 | [illegible]

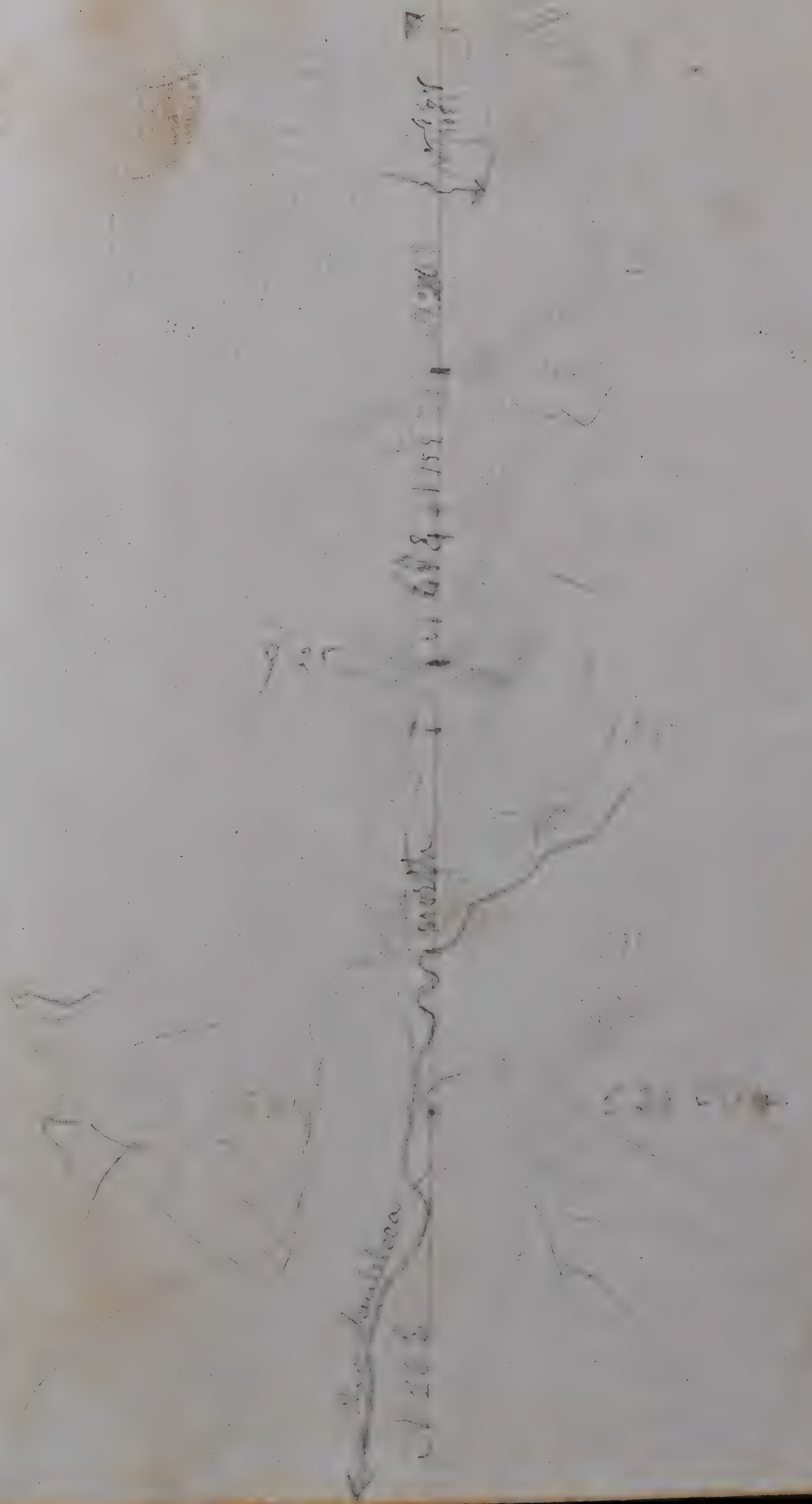
[illegible] 2 10 75 | [illegible]

23.308

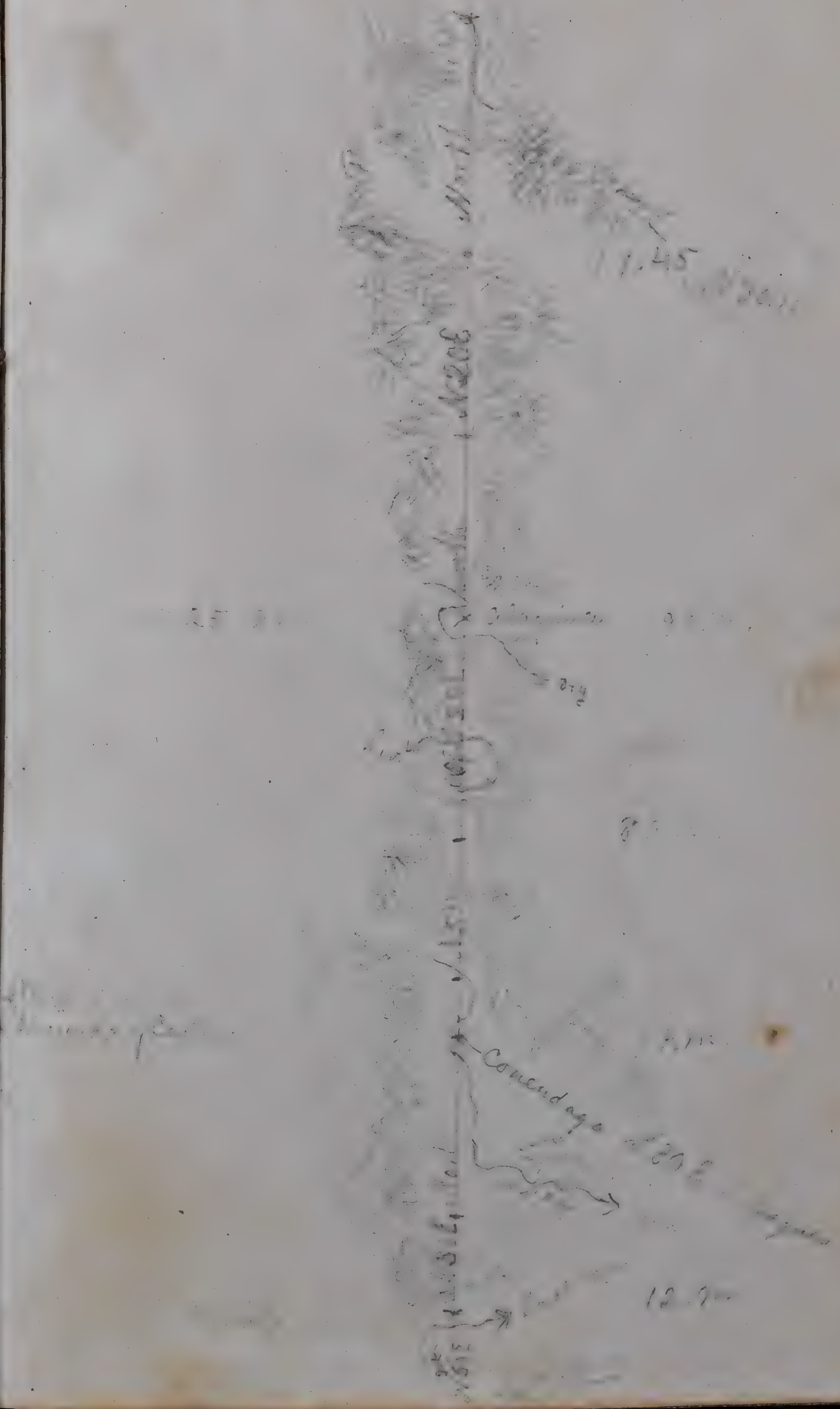
[illegible]

[illegible]

[illegible]

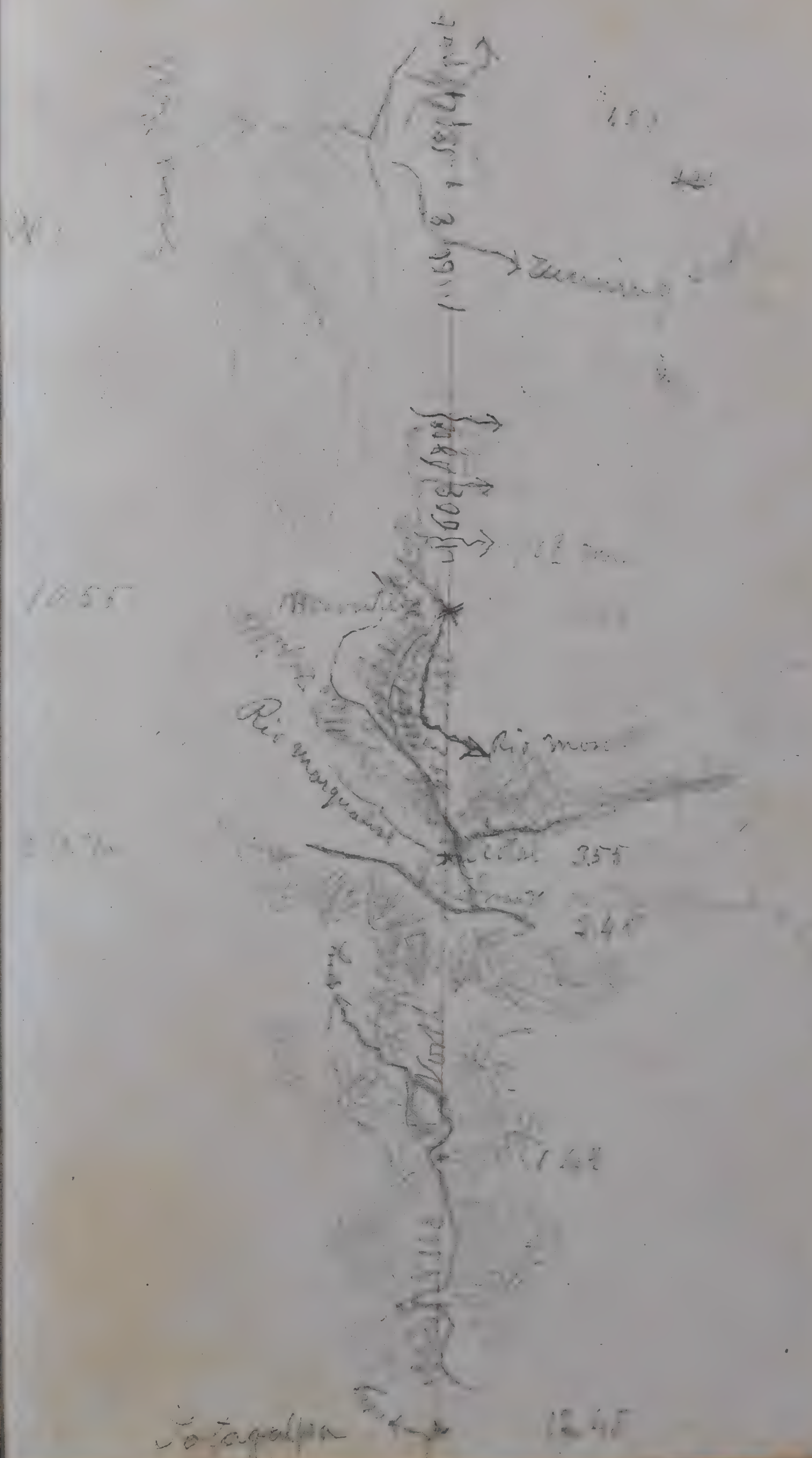


[illegible] works of [illegible] Santa Grande


Conewago

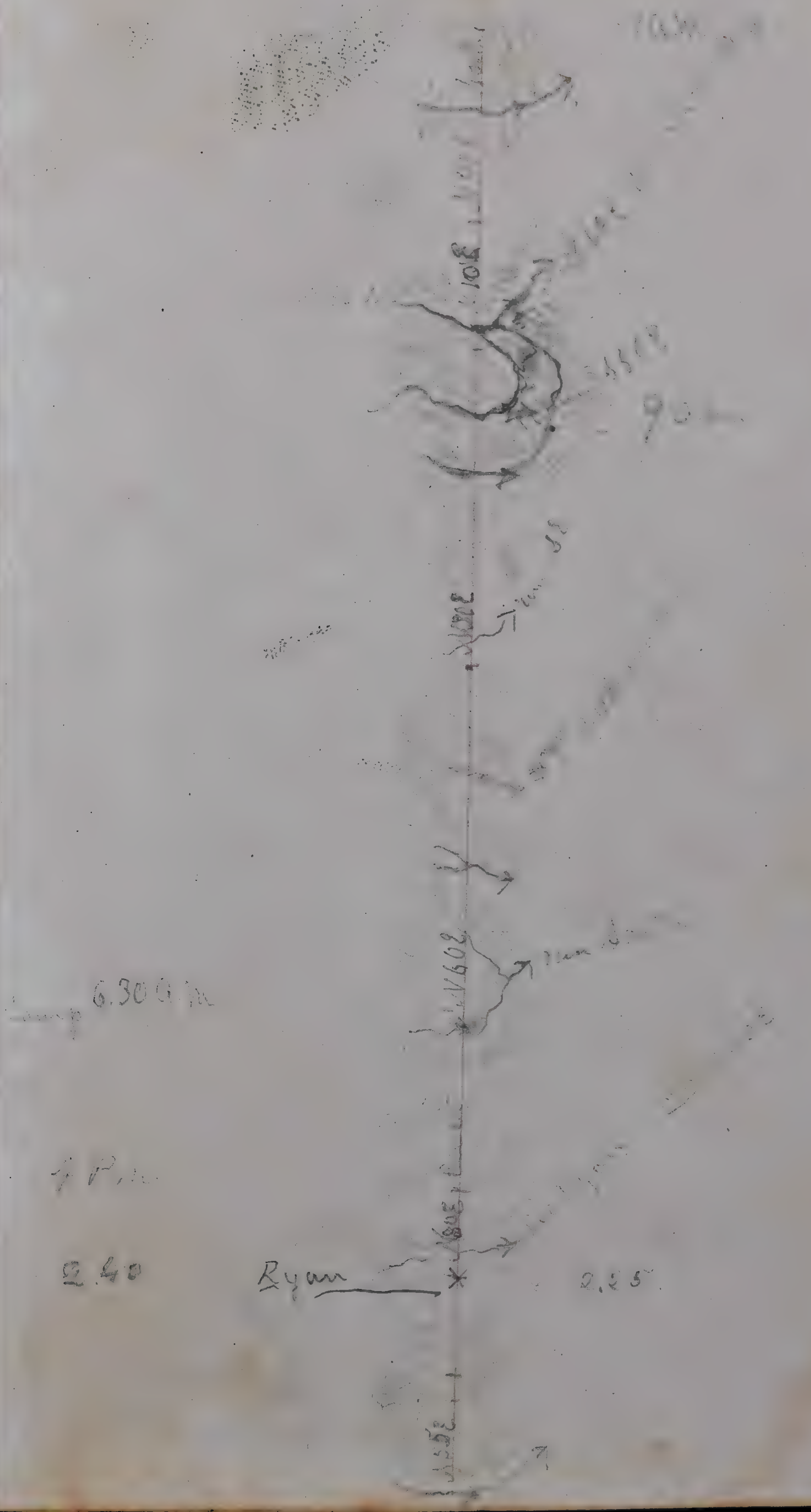
Made Bricks at Toronto

[illegible] from Oct [illegible]


1055
355
12 45

Trees Oak, Pine &c

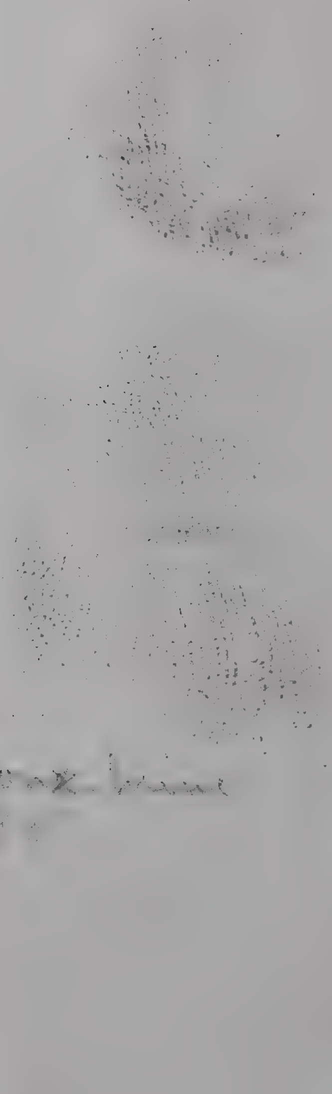
Rocks Slate & Quartz

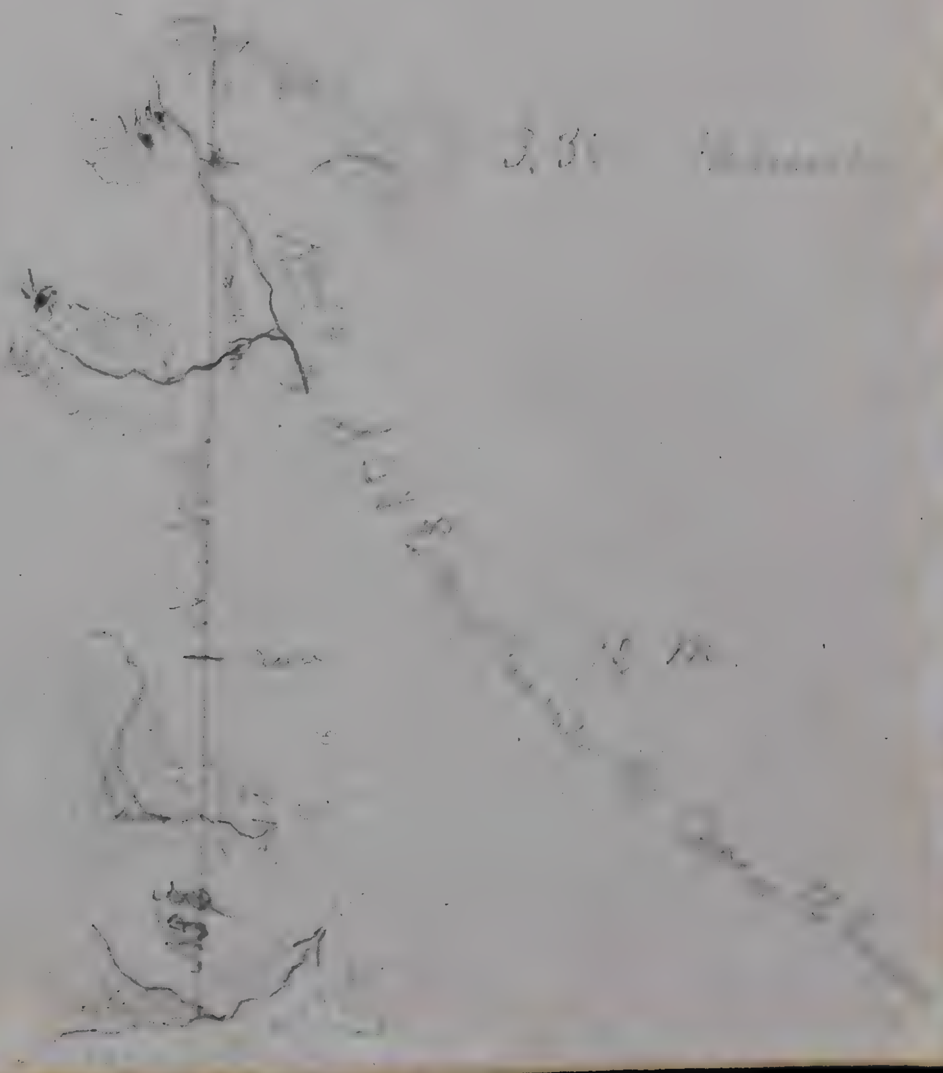

6.30 a.m
2.40
Ryan
2.25

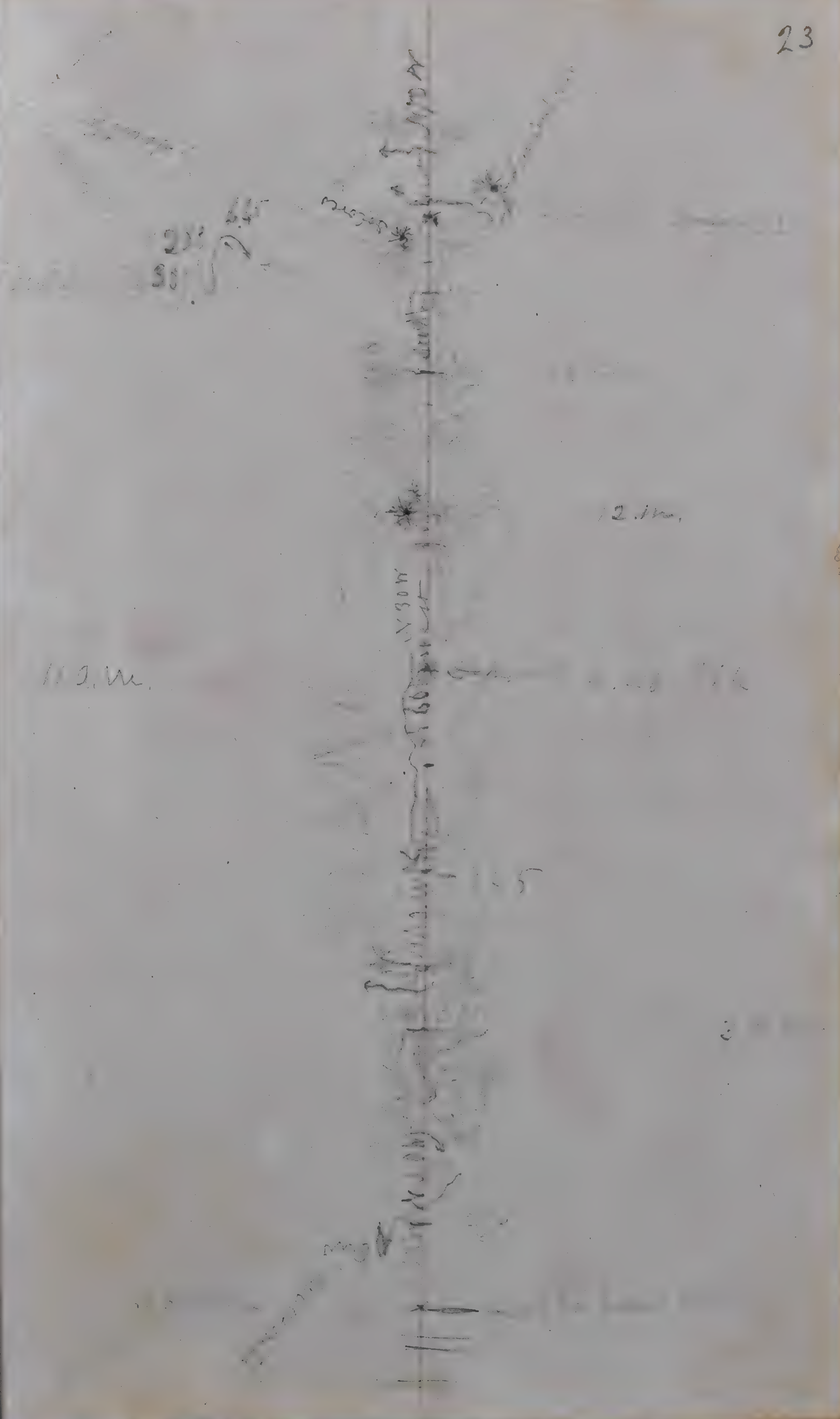
Jalaps Root 4 [illegible]

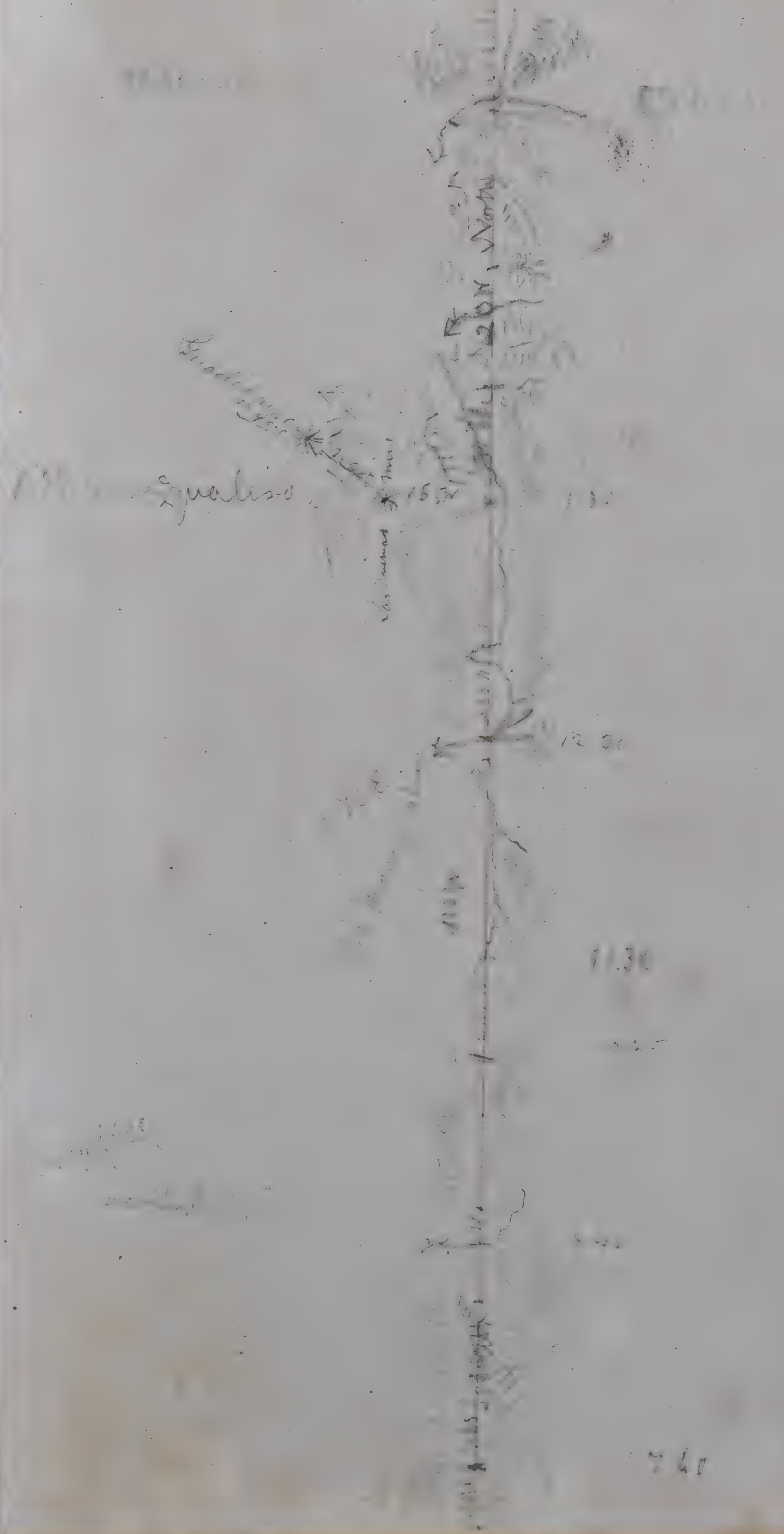
[illegible]

[illegible]

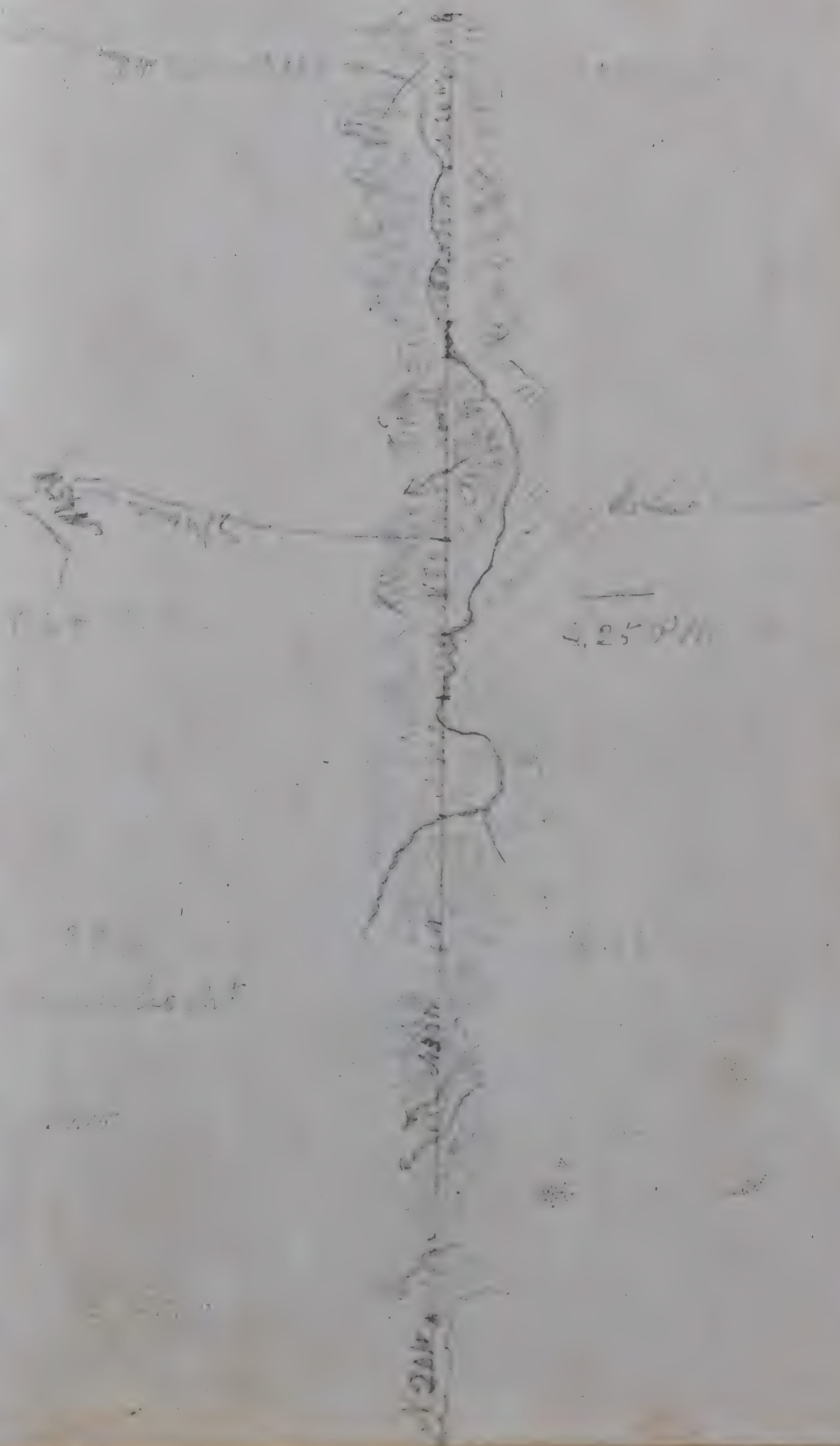





12. m.


Jalisco
12.00
11.30

[illegible] Kuntzelman


4.25 PM

[illegible] passed by [illegible] & Chisholm

Dunkin [illegible] 60° W [illegible] degrees from [illegible]

[illegible] S 55° E 17 " " "

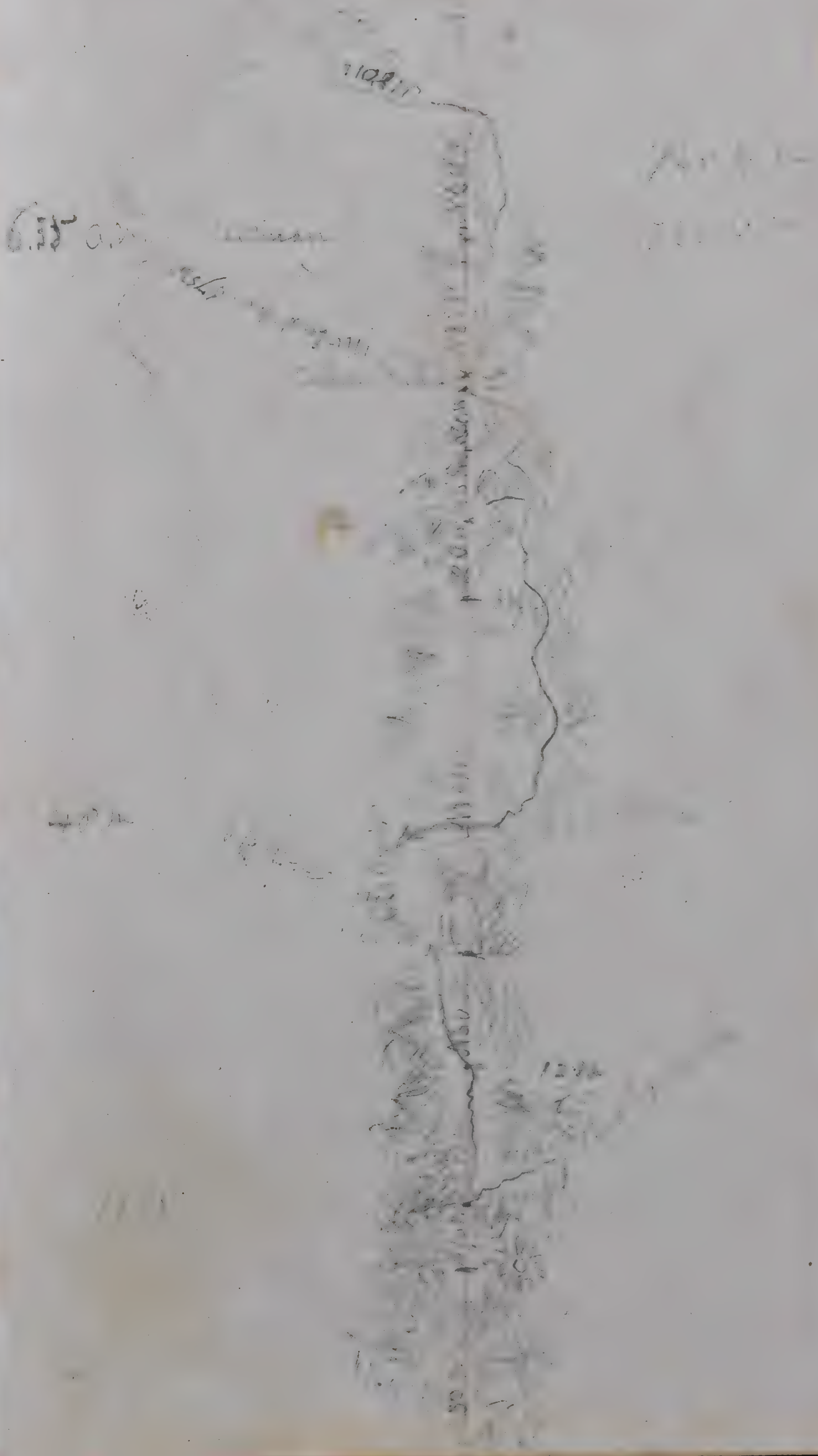
[illegible] S 45 E 14 " " "

[illegible] East 5 " " "

[illegible] of [illegible]
[illegible]

[illegible] [illegible] 1 [illegible]

[illegible] [illegible]
[illegible]



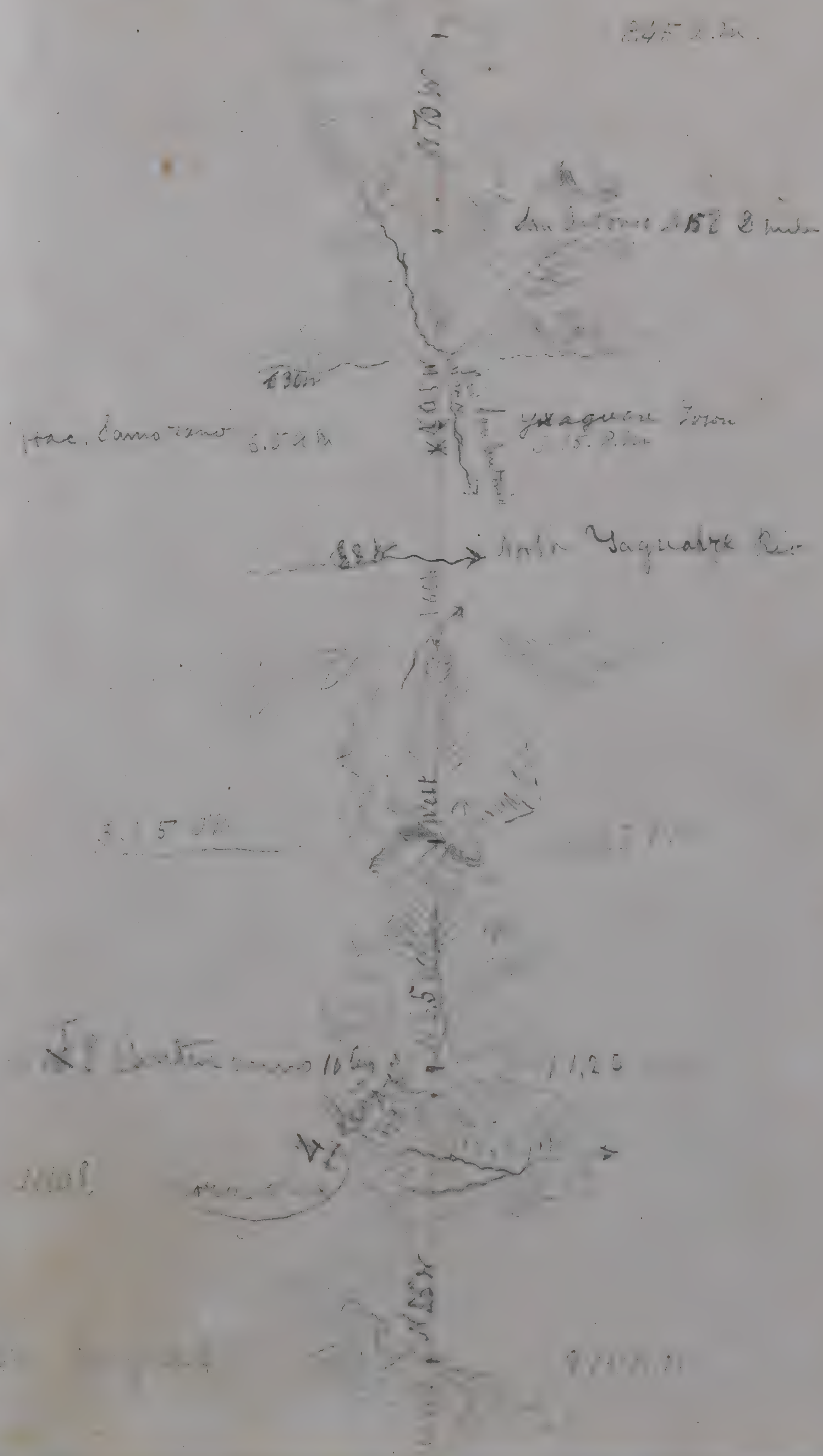
[illegible] Island of Tigre 64° [illegible]

[illegible] 60°

[illegible] 65° [illegible]

[illegible] Mineral Water [illegible]

[illegible]



Tegucigalpa River [illegible] 7 leagues [illegible] from Tegucigalpa
and from the [illegible] to the East [illegible]

a point of [illegible]

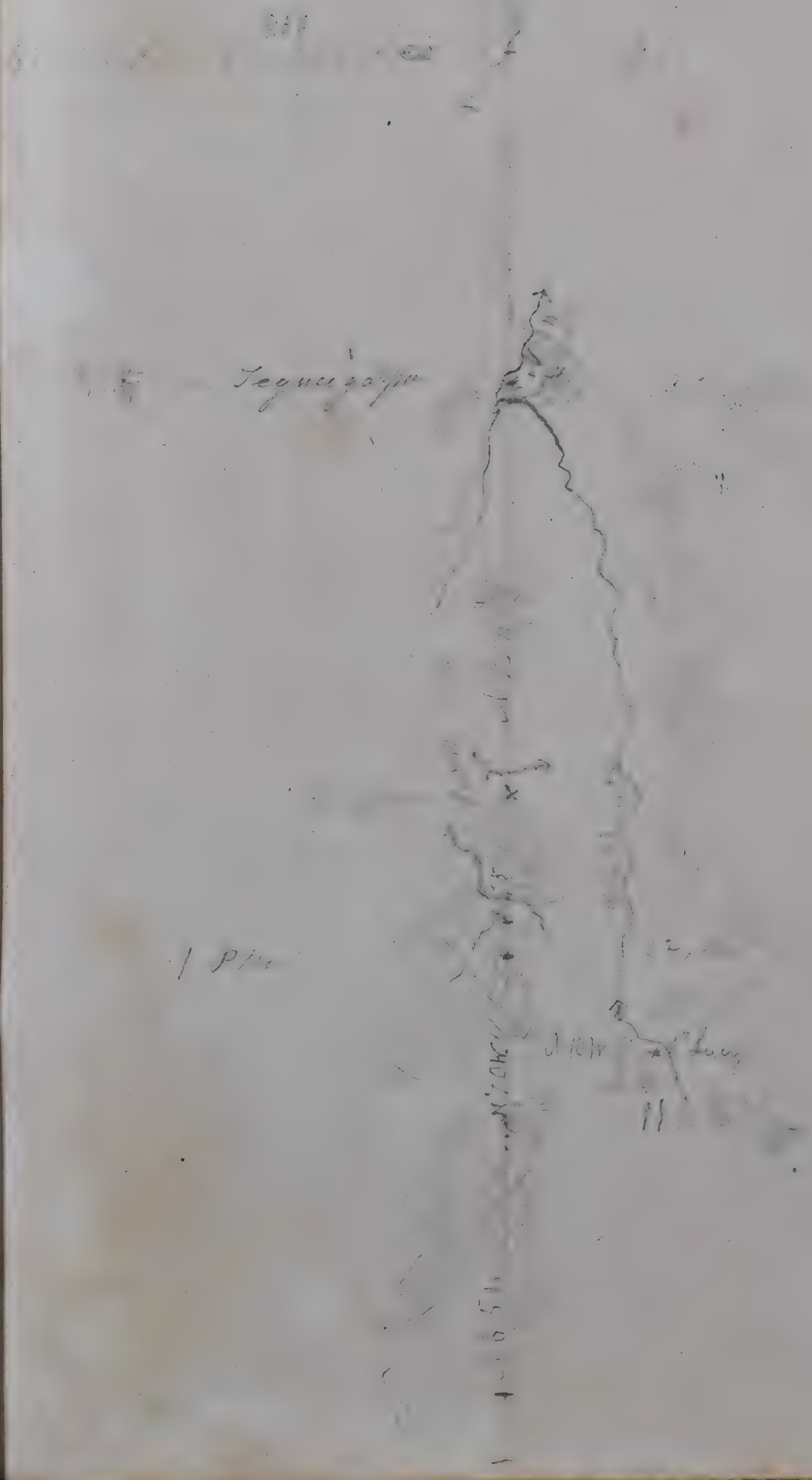
From Tegucigalpa to San Lorenzo 30 leagues

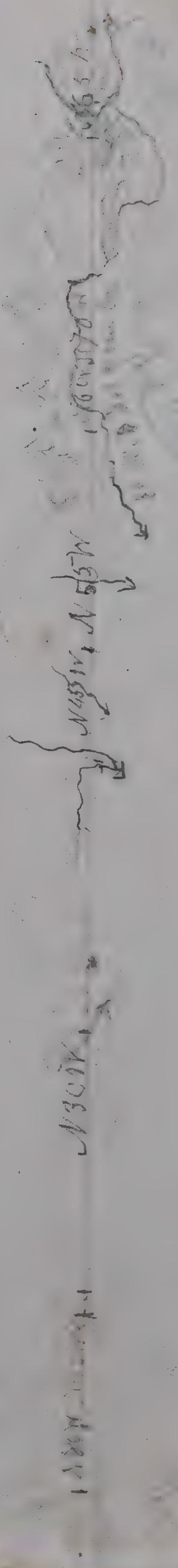
Tierra de [illegible] $10

Comayagua $150

Tegucigalpa $150 —

10 leagues to [illegible]

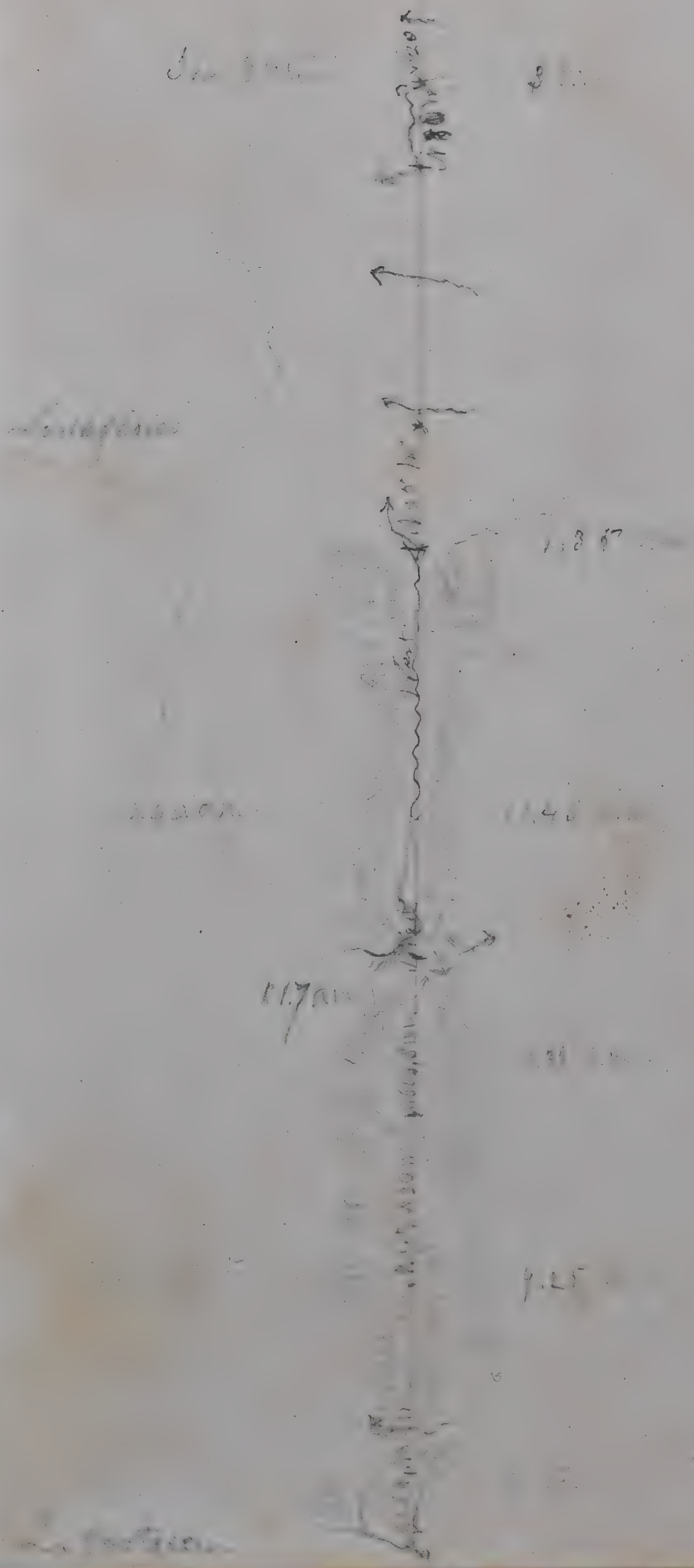

Tegucigalpa




6 a.m

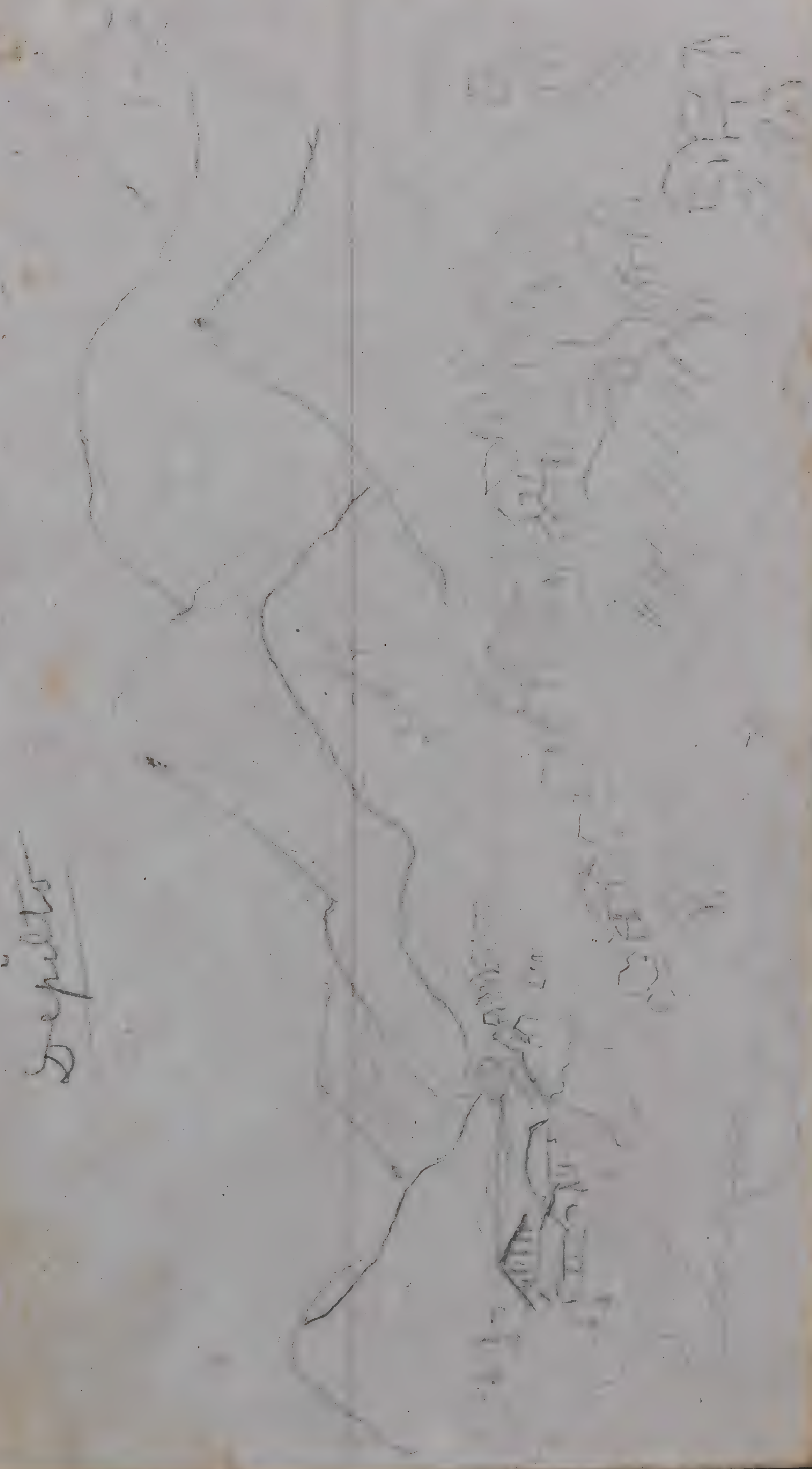
5:15

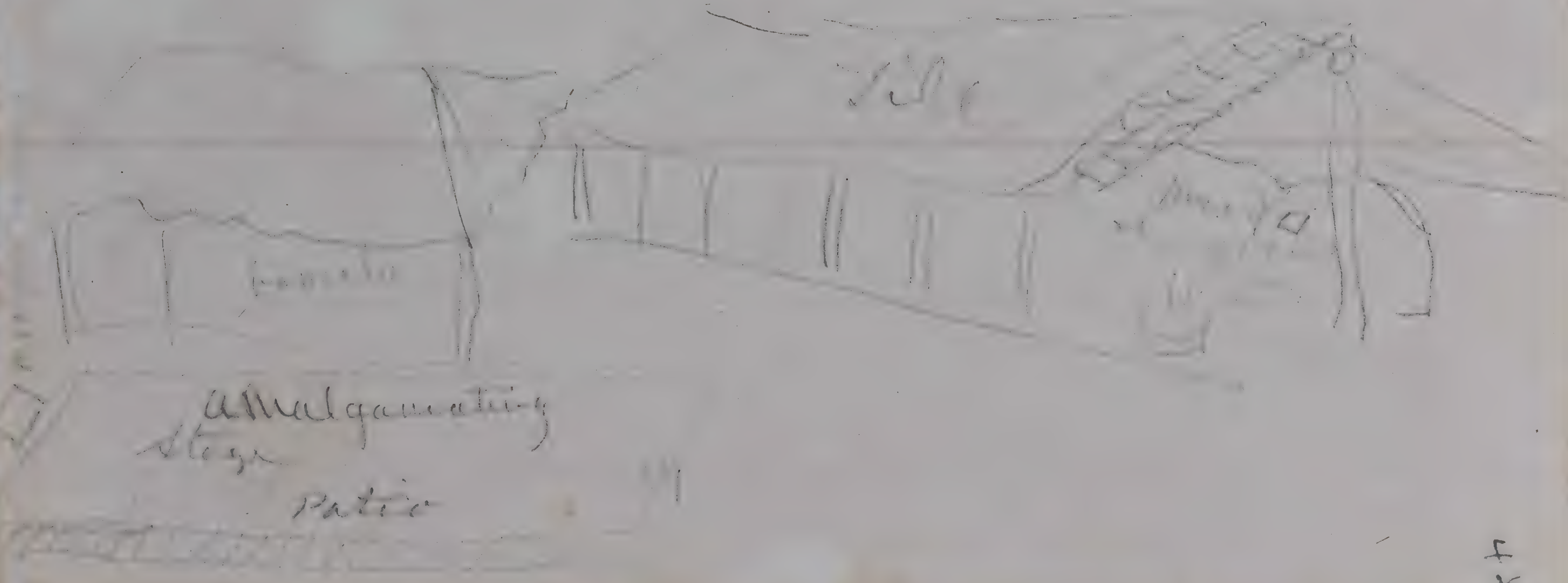
12 m.

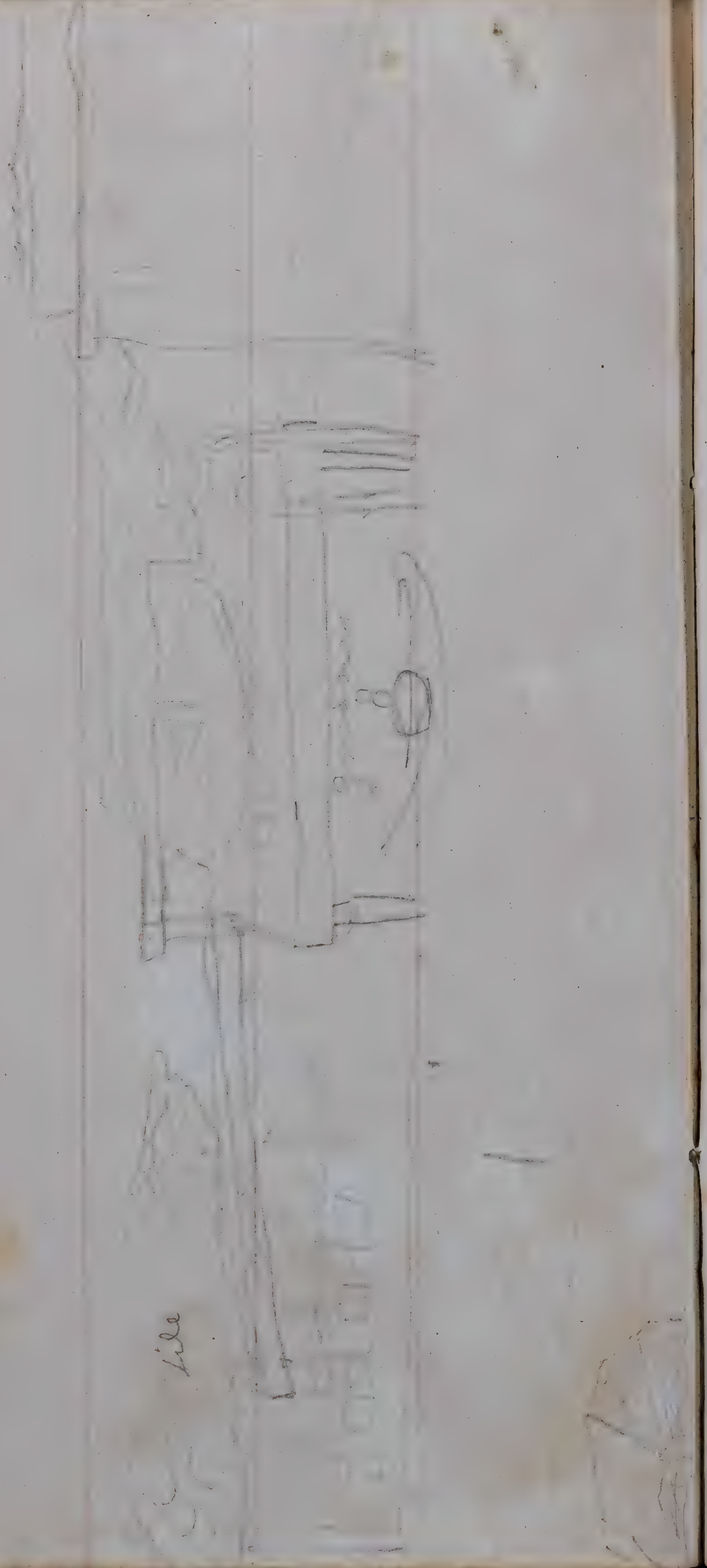

11.70
7.25

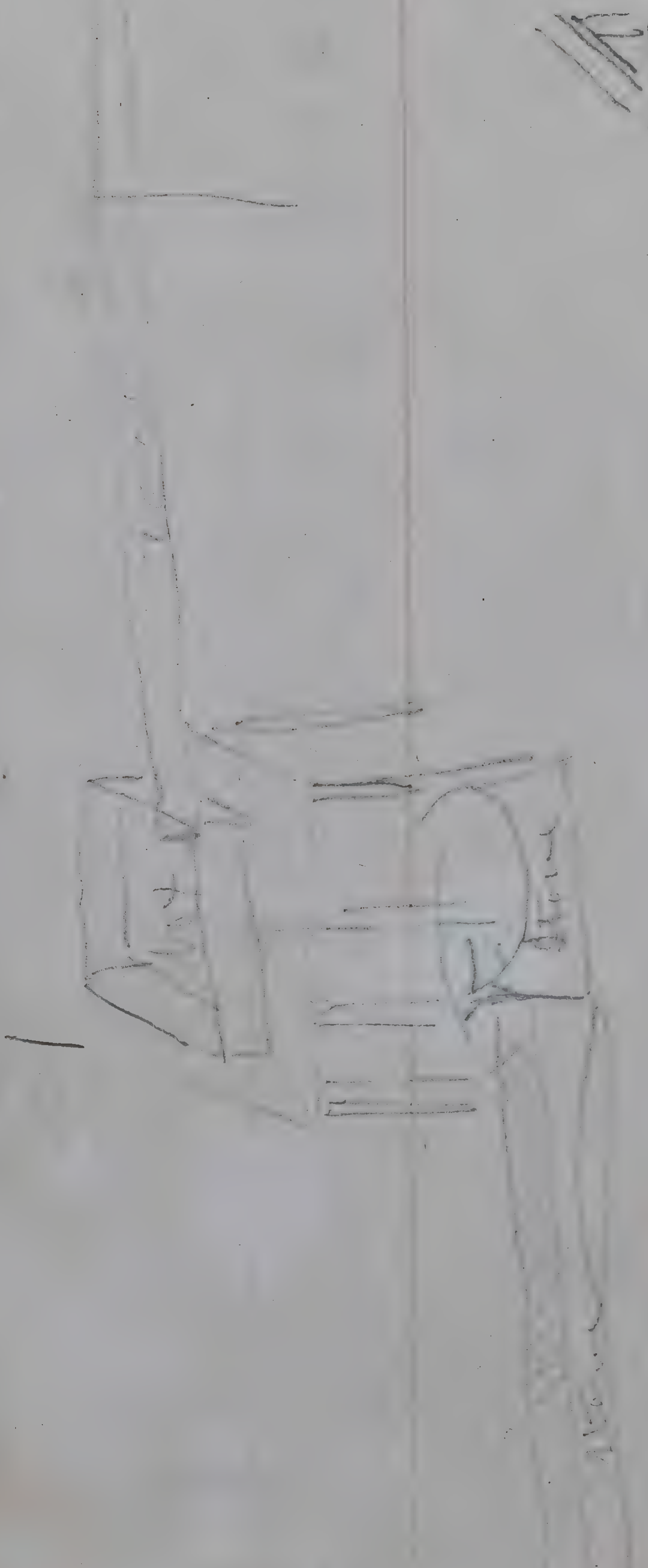
Comayagua * 5.45 P.M.

Depelto


Dieppe


Amalgamating stage
Patio





| Place | Date | | Hour | An. Bar | Therm A | Therm D |
|---|---|---|---|---|---|---|
| Leon | April | 3rd | 6 A.M. | 29.580 | 79 | 78 |
| " | " | " | 9 A.M. | 29.630 | 84½ | 85 |
| " | " | " | 12 M. | 29.553 | 93½ | [illegible] |
| " | " | " | 3 P.M. | 29.612 | 95 | 94½ |
| " | " | " | 6 P.M. | 29.570 | 90 | 88 |
| " | " | 4 | 6 A.M. | 29.550 | 77 | 77 |
| " | " | " | 9 A.M. | 29.625 | 83 | 84 |
| " | " | " | 12 M. | 29.657 | 89 | 88 |
| " | " | " | 3 P.M. | 29.520 | 92 | 91½ |
| " | " | " | 6 P.M. | 29.570 | 86 | 85 |
| " | " | 5th | 6 A.M. | 29.5[illegible] | 76 | 77 |
| " | " | " | 9 A.M. | 29.675 | 84½ | 84½ |
| " | " | " | 12 M. | 29.700 | 93 | 91½ |
| " | " | " | 3 P.M. | 29.650 | 95½ | 94 |
| " | " | " | 6 P.M. | 29.625 | 91½ | 89 |
| " | " | 6 | 6 A.M. | 29.670 | 78½ | 77½ |
| " | " | " | 9 A.M. | 29.7[illegible] | 84 | 84½ |
| | | 7th | 7.45 P.M. | 29.770 | 89° | 88½ |
| Valle de Zapata | " | 7th | 6 A.M. | 29.675 | 72½ | [illegible] |
| Porteo | " | 7th | 6 P.M. | 29.475 | 91 | 90 |
| " | " | 8th | 6 A.M. | 29.380 | 69½ | 68 |
| [illegible]chuapa | " | " | [illegible] P.M. | 29.[illegible]50 | 86 | 84 |
| | | 9 | | | | |

| Wind | | Clouds. | | |
|---|---|---|---|---|
| Direct | Force | Nature | Quantity | Remarks |
| 0 | . | Clear | 0 | |
| N E | 3 | Cirr | 1/8 | |
| N E | 4 | . | 1/3 | |
| N E | 6 | Cumuli | [illegible] | |
| N E | 2 | Cirr | 1/8 | |
| | 0 | Cirr | 1/2 | |
| N E | 2 | Cirr | 1 | |
| N E | 2 | Cumuli | 1/5 | |
| N E | 4 | Cirr | 1/2 | |
| | 2 | Cumuli | 1/8 | Lightning in the north |
| [illegible] | . | Clear | | |
| N E | 4 | Cirri | 1/3 | |
| N E | 5 | Cumuli | 3/5 | |
| | 7 | Cumuli | 1/2 | |
| N E | 1 | Cirri | 1/8 | |
| N E | 0 | Clear | | |
| N E | 5 | Cirri | [illegible] | |
| N E | 2 | Cirri | 1/4 | |
| N E | 1 | Cirri | 1/2 | |
| N E | 5 | Cir et Cum | 2/3 | |
| | . | Stratus | 1 | |
| N E | 0 | Clear | [illegible] | Heavy [illegible] |
| | | | 2 | |

| Place | Date | Hour | An. Bar | Therm A | Therm B |
|---|---|---|---|---|---|
| [illegible] | April 9 | 3. 35 P.M. | 28.875 | 93 | [illegible] |
| " | " | 6 P.M. | 28.850 | 85½ | 84½ |
| | " 10 | [illegible] | [illegible] | 85 | [illegible] |
| [illegible] | | [illegible] | [illegible] | [illegible] | |
| [illegible] | | [illegible] | [illegible] | 72 | [illegible] |
| [illegible] | | [illegible] P.M. | [illegible] | [illegible] | [illegible] |
| [illegible] | | 6 P.M. | [illegible] | 87 | [illegible] |
| | 11 | 6 A.M. | 28.620 | [illegible] | [illegible] |
| [illegible] | | 7 A.M. | [illegible] | [illegible] | |
| [illegible] | | [illegible] | 27.[illegible] | 86 | [illegible] |
| | | 6 P.M. | 27.[illegible] | 80 | [illegible] |
| | [illegible] | 6 A.M. | 27.570 | 68 | 70 |
| [illegible] | | 6 P.M. | 27.[illegible] | 82 | [illegible] |
| " | 13 | 6 A.M. | 27.575 | [illegible] | 67 |
| Camp | | 6 P.M. | 27.500 | 80 | 79 |
| | 14 | 6 A.M. | 27.520 | 68 | [illegible] |
| [illegible] | | 6 P.M. | 27.575 | 80 | [illegible] |
| | [illegible] | 6 A.M. | 27.5[illegible] | [illegible] | [illegible] |
| [illegible] | | 6 P.M. | 27.[illegible] | 80 | |
| | [illegible] | 6 A.M. | [illegible] | [illegible] | |
| [illegible] | | 6 P.M. | 27.[illegible] | | [illegible] |
| | 17 | 6 A.M. | 27.[illegible] | 64½ | [illegible] |
| | | 9 [illegible] | 27.[illegible] | 70 | |
| | | [illegible] | | | |

| Wind | | Clouds | | |
|---|---|---|---|---|
| Direct | Force | Nature | Quantity | Remarks. |
| [illegible] | – | Cumuli | ½ | |
| E | 2 | Cumuli | ¼ | |
| N | | Cirri | [illegible] | |
| [illegible] | [illegible] | [illegible] | [illegible] | |
| [illegible] | [illegible] | Cumuli | [illegible] | |
| N | 8 | [illegible] | 1 | |
| [illegible] | 6 | Nimbus | [illegible] | |
| N | 7 | [illegible] | [illegible] | |
| [illegible] | | [illegible] | [illegible] | |
| | 2 | Cumuli | ½ | |
| [illegible] | [illegible] | [illegible] | [illegible] | |
| [illegible] | | Nimbus | [illegible] | |
| [illegible] | | [illegible] | [illegible] | |
| [illegible] | [illegible] | Cirri | ⅓ | |
| [illegible] | | | [illegible] | |
| [illegible] | | [illegible] | ¼ | |
| | | [illegible] | [illegible] | |
| [illegible] | | | ½ | Lightning to the west |
| | | Nimbus | | |
| | | [illegible] | | |
| | | [illegible] | [illegible] | |
| | | [illegible] | [illegible] | |
| | | [illegible] | [illegible] | |

| | | | | Therm | |
|---|---|---|---|---|---|
| Place | Date | Hour | An. Bar | A | D |
| [illegible] | Apl 17 | 3 P.M. | 27.6?? | 79 | 7? |
| | | 8 P.M. | 27.??? | 76 | 7? |
| | 18 | 6 A.M. | 27.025 | 66 | 67 |
| [illegible] | " " | 12 M. | 25.900 | 75½ | 74 |
| | " | 1 P.M. | 25.800 | 79 | |
| [illegible] | " " | 6 P.M. | 26.500 | 73 | [illegible] |
| | 19 | 6 A.M. | 25.475 | 64½ | 6? |
| [illegible] | 19 | [illegible] | 520 | [illegible] | |
| | " | 6 P.M. | 27.??? | 80 | 7?½ |
| | 20 | 6 A.M. | 27.??? | 68 | |
| | " | 9 A.M. | 27.??? | 73½ | 70½ |
| | " | 2 P.M. | 27.??3 | 83 | 80½ |
| | | 3 P.M. | 27.5?? | 85 | [illegible] |
| | | 6 P.M. | 27.5?? | [illegible] | [illegible] |
| | 21 | 6 A.M. | [illegible] | 69 | 6? |
| [illegible] | | 3 P.M. | 26.375 | 7? | 7? |
| | | 6 P.M. | 27.300 | | |
| | 22 | 6 A.M. | 27.275 | 63 | 65 |
| [illegible] | 23 | 6 A.M. | 27.650 | 7? | 7? |
| | | 9 A.M. | | 76½ | [illegible] |
| | " | 12 M. | 27.260 | 84 | 7?½ |
| | | 2 P.M. | 27.? | [illegible] | |
| " | " | 6 P.M. | [illegible] | 84 | |

| Wind | | Clouds | | |
|---|---|---|---|---|
| Direct | Force | Nature | Quantity | Remarks |
| [illegible] | 3? | [illegible] | [illegible] | |
| N E? | 1? | [illegible] | [illegible] | |
| N E? | 1? | [illegible] | [illegible] | |
| N E? | 2 | Nimbus? | [illegible] | |
| [illegible] | [illegible] | | [illegible] | |
| [illegible] | 1? | Cirro stratus? | [illegible] | |
| [illegible] | [illegible] | [illegible] | [illegible] | |
| | [illegible] | [illegible] | | |
| [illegible] | | [illegible] | [illegible] | |
| | | [illegible] | [illegible] | |

| Place | Date | Hour | An Bar | Therm A | Therm D |
|---|---|---|---|---|---|
| [illegible] | Apl 24 | 6 A.M. | 27.420 | 74 | 73 |
| " | | [illegible] | [illegible] | 82 | [illegible] |
| | | [illegible] | 27.4[illegible] | 86 | 8[illegible] |
| " | " | 6 P.M. | 27.420 | 83 | [illegible] |
| | 25 | 6 A.M. | 27.2[illegible] | 74 | 73 |
| [illegible] | " | [illegible] | 25. 610 | | 70½ |
| [illegible] | " | " | [illegible] | 27.4[illegible] | 84 | [illegible] |
| | | [illegible] | 27.375 | 83½ | [illegible] |
| | " | " | 6 P.M. | 27.[illegible] | 81 | [illegible] |
| " | " | 26 | 6 A.M. | 27.[illegible] | 73 | [illegible] |
| | " | 9 A.M. | 27.475 | 79 | [illegible] |
| | | [illegible] | 27.4[illegible] | [illegible] | [illegible] |
| " | | 3 P.M. | 27.[illegible] | 87 | [illegible] |
| | " | 6 P.M. | 27.[illegible] | [illegible] | [illegible] |
| [illegible] | " | 27 | 9 A.M. | 25.725 | 80 | 75 |
| " | " | 27 | 11.15 A.M. | 25.400 | [illegible] | |
| [illegible] Hall | " | " | 3. P.M. | 26 325 | 86 | 79½ |
| [illegible] | " | " | 6 P.M. | 27.350 | 85° | [illegible] |
| " | | 28 | 6 A.M. | 27.[illegible]25 | 72 | [illegible] |
| [illegible] | " | " | 8.45 A.M. | 25.420 | 77 | 67 |
| " | | | 11.15 A.M. | 25 [illegible]20 | | |
| [illegible] | " | 29 | 6 A.M. | 26 775 | [illegible] | 7[illegible]½ |
| | | | | 26 8[illegible] | 7[illegible] | [illegible] |

| Wind | | Clouds | | |
|---|---|---|---|---|
| Direct | Force | Nature | Quantity | Remarks |
| [illegible] | 1 | Nimbus | [illegible] | |
| [illegible] | 2 | Cumuli | 3/4 | |
| [illegible] | [illegible] | [illegible] | [illegible] | |
| [illegible] | 1 | Nimbus | 1 | |
| N E | 1 | [illegible] | 1/2 | |
| [illegible] | 1 | Nimbus | 1/8 | |
| [illegible] | 1 | Cumuli | [illegible] | |
| [illegible] | 2 | Nimbus | | [illegible] |
| [illegible] | [illegible] | Nimbus | 1 | |
| [illegible] | 1 | | | |
| | 1 | [illegible] | [illegible] | |
| N E | [illegible] | [illegible] | | |
| E | 0 | — | | |
| [illegible] | | [illegible] | | |
| | [illegible] | Cumuli | 3/4 | |
| [illegible] | [illegible] | [illegible] | 7/8 | |
| N E | 6 | Cirrus | 1/4 | |
| N E | 1 | Cumuli | 1/2 | |
| N E | 1 | Cumuli | 1/2 | |
| N E | 3 | Cum | 3/4 | |
| | | | | |
| E | 1 | Nimbus | 1/2 | |
| [illegible] | 1 | Cumuli | 1/4 | |

| Place Data | Date | Hour | An. Bar | Therm. A | D |
|---|---|---|---|---|---|
| [illegible]gualpa | April 29th | 12 M | 26.820 | 82½ | 82 |
| " | " " | 3 PM | 26.775 | 87 | 85 |
| " | 30th | 6 A.M. | 26.730 | 65 | [illegible] |
| " | | [illegible] | 26.775 | [illegible] | 76½ |
| " | " " | [illegible] | 26.780 | [illegible] | [illegible] |
| | | | 26.740 | [illegible] | |
| " | | [illegible] | 26.725 | [illegible] | 80 |
| " | May 1 | 6 A.M. | 26.720 | [illegible] | [illegible] |
| " | " | 9 A.M. | 26.770 | [illegible] | [illegible] |
| " | | 12 M | 26.780 | [illegible] | [illegible] |
| | | 3 PM | 26.750 | [illegible] | [illegible] |
| | | [illegible] | 26.730 | | [illegible] |
| | 2 | 6 A.M. | 26.720 | | [illegible] |
| | | [illegible] | 26.70 | | |
| | | 12 M | 26.740 | 85½ | [illegible] |
| | | [illegible] | 26.775 | | |
| | 3 | 6 A.M. | 26.750 | | |
| | | [illegible] | 25.450 | | |
| | | 12 M | 25.330 | | |
| | | [illegible] | 26.430 | | |
| [illegible] | " 4 | [illegible] | 25.720 | [illegible] | |
| | | [illegible] | 25.550 | [illegible] | |
| | | [illegible] | 25.370 | | |

| Wind | | Clouds | | |
|---|---|---|---|---|
| Direct | Force | Nature | Quantity | Remarks |
| N E | 3 | Cum | 2/3 | |
| N E | [illegible] | [illegible] | [illegible] | |
| [illegible] | [illegible] | [illegible] | [illegible] | |
| [illegible] | [illegible] | [illegible] | [illegible] | |
| [illegible] | [illegible] | [illegible] | [illegible] | |
| N [illegible] | [illegible] | [illegible] | [illegible] | |
| N [illegible] | 2 | Cumul | [illegible] | |
| [illegible] | [illegible] | [illegible] | [illegible] | |
| N E | 1 | Cum | [illegible] | |
| N E | [illegible] | [illegible] | [illegible] | |
| N E | [illegible] | Cum | 1/2 | |
| N E | 1 | [illegible] | [illegible] | |
| N E | [illegible] | [illegible] | [illegible] | |
| N E | [illegible] | [illegible] | [illegible] | |
| N E | [illegible] | [illegible] | [illegible] | |
| N E | [illegible] | [illegible] | 1/3 | |
| N E | [illegible] | [illegible] | [illegible] | |
| N E | [illegible] | [illegible] | [illegible] | |
| [illegible] | [illegible] | [illegible] | [illegible] | |

| Place | Date | Hour | An Bar | Therm A | Therm D |
|---|---|---|---|---|---|
| [illegible] | Aug 5th | 6 AM | 27.880 | 73 | 71 |
| | | 9 AM | 27.9[illegible] | 80 | 78 |
| | " | 12 M | 27.920 | 83½ | 84 |
| " | " | 3 PM | 27.850 | 87 | 84 |
| | " | [illegible] PM | 27.860 | 82 | 81 |
| | 8 | 6 AM | 27.915 | 71 | 71 |
| | | [illegible] | 27.920 | [illegible] | [illegible] |
| | | [illegible] | [illegible] | [illegible] | [illegible] |
| | " | 6 PM | 27.[illegible] | 80 | 79? |
| | 7 | 6 AM | 27.[illegible] | 71 | 7[illegible] |
| | | 9 AM | [illegible] | [illegible] | 77 |
| | | 12 M | 27.[illegible] | [illegible] | 8[illegible] |
| | | 3 PM | 27.780 | 76 | 76? |
| | 10? | 6 AM | 27.850 | 76 | 76 |
| | | 12 M | 27.850 | 78 | 79 |
| | 20 | 9 AM | 28.250 | 74½ | 76½ |
| | | 11 AM | 28.245 | 77 | 77 |
| | | 12 M | 28.2[illegible] | 78½ | 77½ |
| | | 1 PM | 28.225 | 80 | 80? |
| | | 3 | 28.180 | 81½ | 81 |
| | | 4 PM | 28.170 | 81 | 80½ |
| | | 5 | 28.170 | 80 | [illegible] |
| | 21 | 6 AM | 28.210 | 73 | 70? |

| Wind | | Clouds | | |
|---|---|---|---|---|
| Direct | Force | Nature | Quantity | Remarks |
| NE | 1 | [illegible] | 1 | |
| NE | 1 | [illegible] | ½ | |
| NE | 1 | [illegible] | [illegible] | |
| SW | 6 | [illegible] | 7/8 | |
| NE | 3 | Nimbi | [illegible] | |
| [illegible] | 1 | Strati | [illegible] | |
| [illegible] | | [illegible] | [illegible] | |
| NE | | [illegible] | [illegible] | |
| [illegible] | | [illegible] | [illegible] | |
| [illegible] | | [illegible] | [illegible] | |
| NNE | 3 | [illegible] | 3/4 | |
| [illegible] | | [illegible] | 1/4 | |
| NNE | 1 | [illegible] | 7/8 | |
| | | | 1 | |
| NE | XI | Cirri | 1/8 | |

| Place | Date | Hour | An. Bar | Therm A | Therm D |
|---|---|---|---|---|---|
| [illegible] | [illegible] | [illegible] | 28.230 | 7[illegible] | 7[illegible] |
| | 〃 〃 | 9 a.m. | 28.235 | 7[illegible] | 7[illegible] |
| 〃 | 〃 〃 | 11 a.m. | 28.[illegible] | 7[illegible] | [illegible] |
| 〃 | 〃 〃 | 12 m. | 28.220 | 79 | 79 |
| 〃 | 〃 〃 | 3 P.M. | 28.[illegible] | 81 | 81 |
| | 〃 | 7 P.M. | 28.[illegible] | [illegible] | 81 |
| | 〃 23 | [illegible] | 28.[illegible] | 7[illegible] | 78 |
| | 〃 | [illegible] | 28.[illegible] | [illegible] | [illegible] |
| 〃 | | 10½ a.m. | 28.190 | 8[illegible] | 81 |
| | | 3 P.M. | 28.[illegible] | [illegible] | 81 |
| | 〃 | 6 P.M. | 28.160 | [illegible] | 78 |
| | 25 | [illegible] | 28.220 | 73 | 7[illegible] |
| | 〃 | [illegible] | 28.[illegible] | [illegible] | 7[illegible] |
| 〃 | 〃 | [illegible] | 28.[illegible] | [illegible] | 7[illegible] |
| 〃 | 〃 | 3 P.M. | 28.[illegible] | 7[illegible] | 75 |
| | 26? | 6 P.M. | 28.145 | 75 | 74 |
| | 2[illegible] | 6 a.m. | 28.[illegible] | 72 | 71 |
| | 〃 | [illegible] | 28.2[illegible] | 75 | [illegible] |
| | | 12 m. | 28.2[illegible] | 78 | 7[illegible] |

| Wind | | Clouds | | |
|---|---|---|---|---|
| Direct | Force | Nature | Quantity | Remarks |
| [illegible] | 1 | [illegible] | [illegible] | |
| [illegible] | 3 | [illegible] | [illegible] | |
| N W | 4 | Cum | 1/4 | |
| N W | 2 | Cum | [illegible] | |
| [illegible] | 2 | Cum | [illegible] | |
| [illegible] | | | [illegible] | |
| [illegible] | [illegible] | [illegible] | [illegible] | |
| [illegible] | | | | |
| [illegible] | | [illegible] | | |
| [illegible] | 2 | [illegible] | | |
| [illegible] | 1 | Cum | [illegible] | |
| [illegible] | 1 | [illegible] | | |
| N E W | 1 | [illegible] | [illegible] | |
| [illegible] | 2 | [illegible] | [illegible] | |
| [illegible] | 3 | [illegible] | [illegible] | |
| [illegible] | 1 | [illegible] | [illegible] | |
| [illegible] | 1 | [illegible] | | |
| [illegible] | 2 | [illegible] | [illegible] | |
| [illegible] | 2 | [illegible] | [illegible] | |

| Place | Date | Hour | An Bar | Therm A | D |
|---|---|---|---|---|---|

| Winds | | Clouds | | Remarks |
|---|---|---|---|---|
| [D]irect | Force | Nature | Quantity | |

| Place | Date | Hour | An. Bar | Therm A | Therm D |
|---|---|---|---|---|---|

| Winds | | Clouds | | |
|---|---|---|---|---|
| Direct | Force | Nature | Quantity | Remarks. |

| Place | Date | Hour | An. Bar | Therm. A | D. |
| --- | --- | --- | --- | --- | --- |

| Winds | | Clouds | | Remarks |
|---|---|---|---|---|
| Direct | Force | Nature | Quantity | |

| Place | Date | Hour | An Bar | Therm A | Therm D |
| --- | --- | --- | --- | --- | --- |

| Winds | | Clouds | | Remarks |
|---|---|---|---|---|
| Direct | Force | Nature | Quantity | |

| Place | Date | Hour | An. Bar. | Therm. A | D | D |
|---|---|---|---|---|---|---|

| Wind | | Cloud | | |
|---|---|---|---|---|
| Direct | Force | Nature | Quantity | Remarks. |
| | | | | |

Lar ei N 60 E 11 leagues from Uscuran
Capitto S 35 E 17 " " "
Maraquaise S 45 E 14 leagues " "
Rio Grande 5 " east

Zereto

8 creeks between Apantarique & Cuicandi

vol S. M. 135 W corredor

Maraquaise east & west